



Material Safety Data Sheet

Model No.: LR44

Document Number: MSDS_LR44

Revision: 01

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Note: Blank spaces are not permitted if any item is not applicable or no information is available, the space must be marked to indicate that.

Identity (As Used on Label and List)
LR44

Section I

Supplier's Name	Evermore GD CO,LTD	Emergency Telephone Number	13825268330
Address (Number, Street, City, State and ZIP Code)	Room303 4/F garden tianmian tocon tianmian Section1 FuTianShenZhen	Telephone Number for Information	0755-83952705 82865600
		Date Prepared	05/04/08
		Signature of Prepared (optional)	elton

Section II - Hazardous Ingredients/Identity Information

Hazardous Components:	
Description:	Approximate % of total weight
Manganese Dioxide (MnO ₂)	28 wt%
Mixture of Sodium Hydroxide and Potassium Hydroxide, 30-35% solution	10 wt%
Zinc	9.5 wt%
Mercury (Hg)	0.31 wt%
Cadmium (Cd)	Nil
Lead (Pb)	0.0052 wt%

Section III - Physical / Chemical Characteristics

Form	N/A	Specific Gravity (H ₂ O=1)	N/A
Boiling point	N/A	Melting Point	N/A
Vapor Pressure (mm Hg)	N/A	Evaporation Rate (Butyl Acetate=1)	N/A
Vapor Density (AIR =1)	N/A	pH	N/A
Solubility in Water	N/A	Appearance and Odor	N/A

Section IV - Hazard classification

N/A

Section V-Reactivity Data

Stability	Unstable ()	Conditions to Avoid
Yes= (X)	Stable (X)	
Incompatibility (Materials to Avoid)		
Hazardous Decomposition or Byproducts		
	When heated, battery may emit hazardous vapour of KOH/NaOH and Hg	
Hazardous Polymerization	May Occur ()	Conditions to Avoid
Yes= (X)	Will not Occur (X)	

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Section VI - Health Hazard Data

Route(s) of Entry	Inhalation?	Skin?	Ingestion?
	N/A	N/A	N/A
Health Hazard (Acute and Chronic) / Toxicological information			

In case of electrolyte leakage, skin will be itchy when contaminated with electrolyte

Section VII - First Aid Measures

First aid procedures

If electrolyte leakage occurs and makes contact with skin, wash immediately

If electrolyte comes into contact with eyes, wash with copious amounts of water for fifteen minutes, and contact a physician

Section VIII - Fire and Explosion Hazard Data

Flash Point (Method Used)	Ignition temp.	Flammable Limits	LEL	UEL
N/A	N/A	N/A	N/A	N/A

Extinguishing Media
N/A.

Special Fire Fighting Procedures
N/A

Unusual Fire and Explosion Hazards

Do not dispose of battery in fire - may explode.

Do not short-circuit battery - may cause burn

Section IX - Accidental Release or Spillage

Steps to Be Taken in Case Material is Released or Spilled

Batteries that are leaked should be handled with rubber gloves.

Avoid direct contact with electrolyte.

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Section X- Handling and Storage

Safe handling and storage advice

The battery is extremely sensitive to adverse effects of humidity. Be sure to store them in a place which is dry and subject to little temperature change. Do not place near the boiler or radiator, nor expose to direct sun light. Do not dispose of the battery in fire. Do not charge the battery. Do not short-circuit the battery. Do not put in backward position. Do not store in disorderly fashion, or allow metal objects to be mixed with stored batteries. Do not disassemble the battery, handling in such manner can cause the battery to explode, leak and injury.

Section XI - Exposure Controls / Control Measures

Occupational Exposure Limits: LTEP

STEP

N/A

N/A

Respiratory Protection (Specify Type)

N/A

Ventilation

Local Exhausts

Special

N/A

N/A

Mechanical
(General)

N/A

Other

N/A

Protective Gloves

N/A

Eye Protection

N/A

Other Protective Clothing or Equipment

N/A

Work/Hygienic Practices

N/A

Section XII-Ecological Information

N/A

Section XIII-Disposal Method

Dispose of battery in accordance with appropriate federal, state and local regulations

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Section XIV - Transportation Information

Maxell batteries are considered to be "Dry cell" batteries and are unregulated for purposes of transportation by the U.S. Department of Transportation (DOT), International Civil Aviation (ICAO), International Air Transport Association (IATA) and International Maritime Dangerous Goods Regulations (IMDG). The only DOT requirement for shipping these batteries is special provision 130 which states: " Batteries, dry are not subject to the requirements of this subchapter only when they are offered for transportation in a manner that prevents the dangerous evolution of heat (For example, by the effective insulation of exposed terminals). As of 1/1/97 IATA requires that batteries being transported by air must be protected from short-circuiting and protected from movement that could lead to short-circuiting

Section XV- Regulatory Information

Special requirement be according to the local regulatory

Section XVI- Other Information

The data in this Material Safety Data Sheet relates only to the specific material designated herein

Section XVII- Measures for fire extinction

In case of fire, it is permissible to use any class of extinguishing medium on these batteries or their packing material. Cool exterior of batteries if exposed to fire to prevent rupture. Fire fighters should wear self-contained breathing apparatus.

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